



Air Force Materiel Command



AFMC

Contract Repair Information System Pilot (CRISP) for Air Force

9 Sept 2003
HQ AFMC/LGIP

WHAT IS CRISP?



- Pilot project – test viability
- Prototype direct XML data from contractor's systems
- Purpose: demonstrate value and methods for greater government – industry information sharing
- Determine benefits for government and contractors
- Results turned over to CAV developers for deployment
- Funded by Defense Sustainment Consortium

CRISP PROJECT INTENT



Intent of this project is to demonstrate that linking the information pipeline between the DoD and Repair Contractors will produce tangible benefits in supply chain management

PROBLEM



DoD:

- The lack of timely, accurate information (status) is preventing supply chain professionals from effectively and efficiently managing assets repaired by contractors.

Contractor:

- Different requirements from every customer
- No common processes
- Higher costs passed on to the customer from manual input
- Higher support costs (indirect) resulting from frequent customer calls

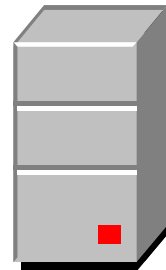
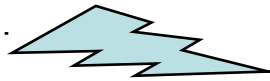
CURRENT SITUATION

Contractor



Contractor manually inputs status that is fed to WEB, and provides/gets contract info by phone

Batch



G009

PMS calls contractor for status

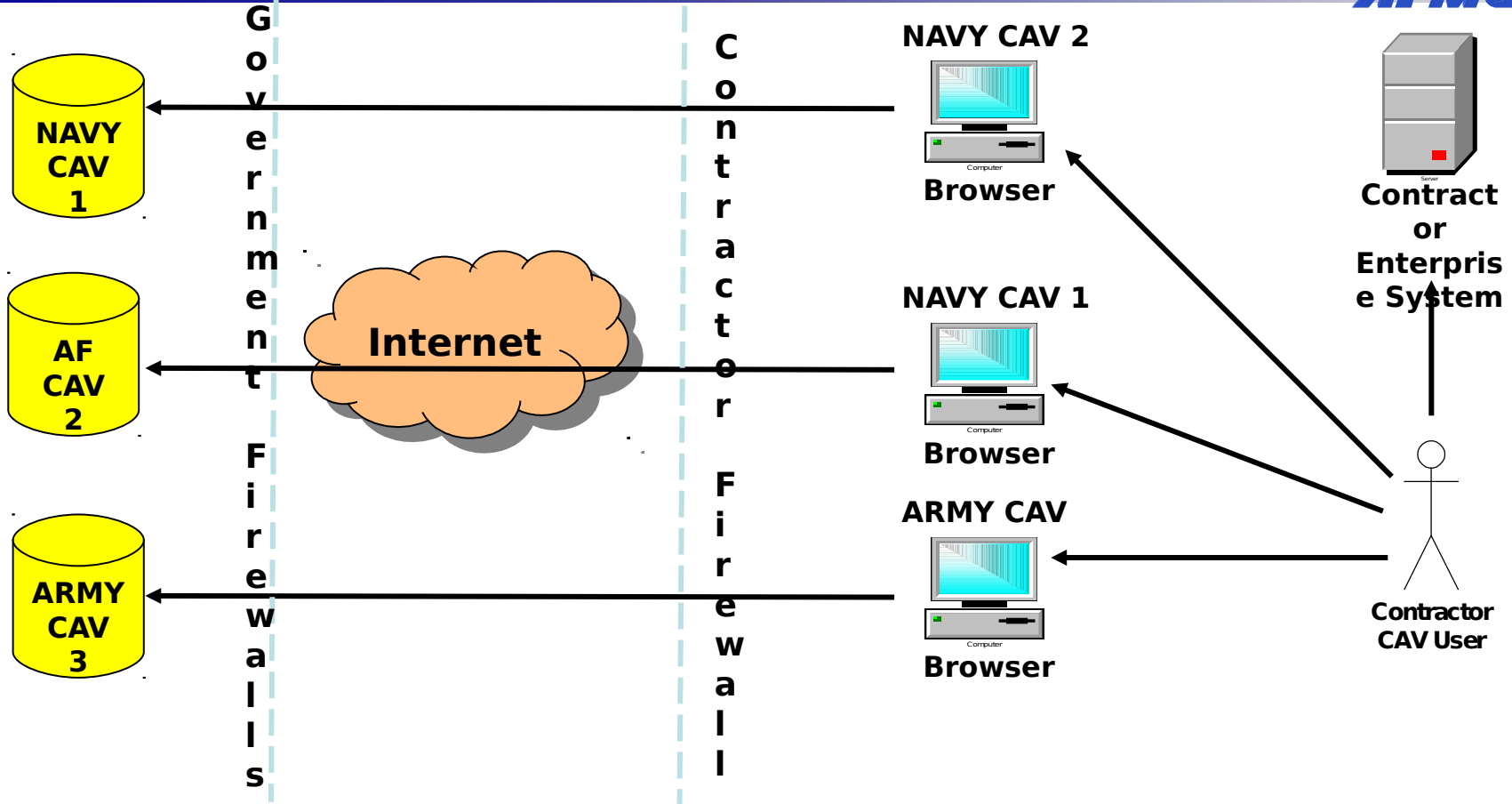
Service IM / PMS



Air Force Item Manager calls PMS for status

, PMSs, Contractors must perform manual workarounds to get reliable informat

CURRENT CONTRACTOR CAV PROCESS



And usually, each contractor has multiple contracts in place with a single customer to repair items...each with a CLIN to provide repair status

CONSEQUENCES



- Unnecessary data entry burden for the contractor
- Increased turn-around times
- Increased inventory levels by DoD
- Inaccurate/slow repair and delivery status
- Low return on DoD and contractor investment in ERP and e-commerce capabilities
- Lots of non-value added work

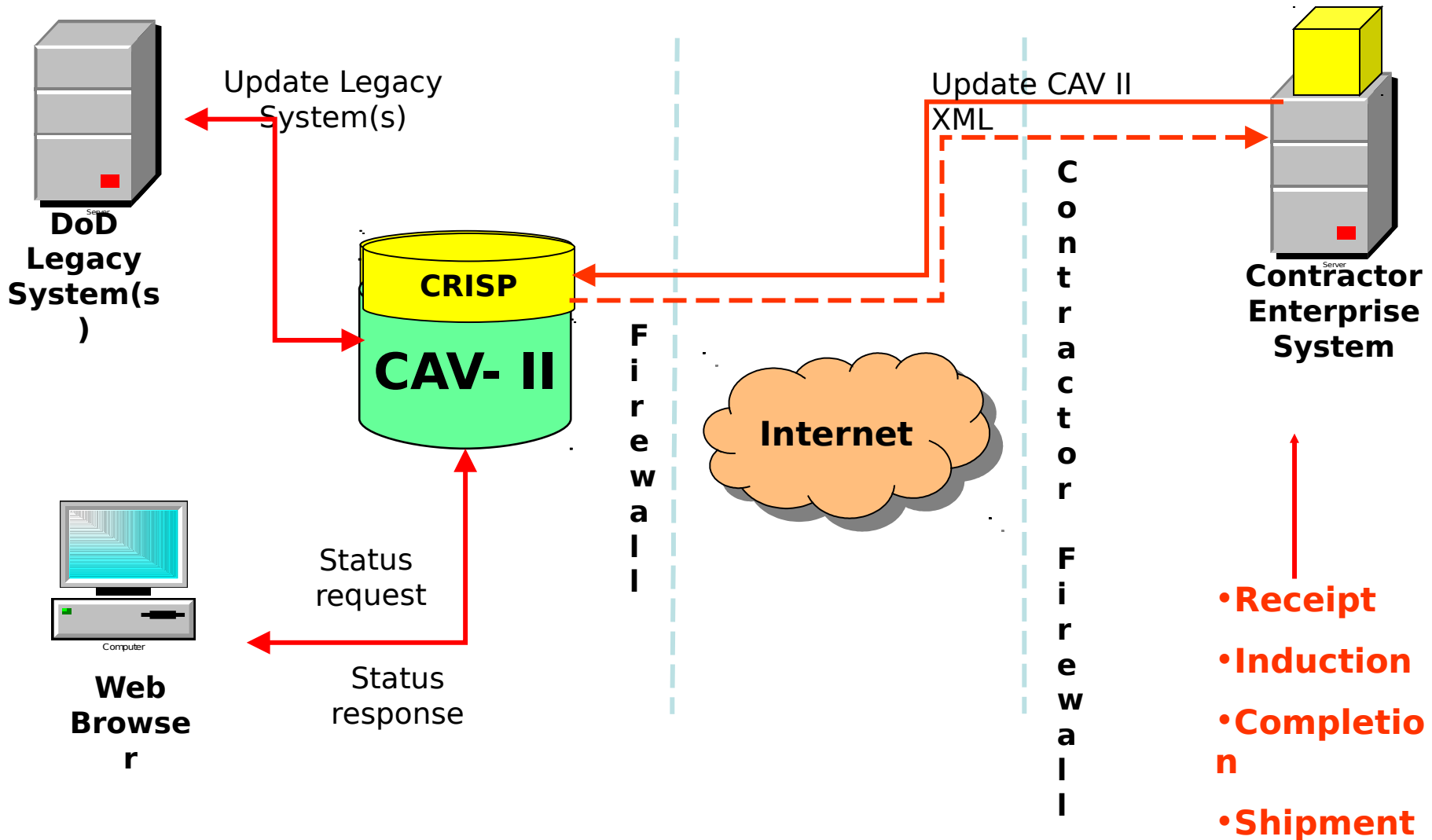
Impacts Weapon System Availability

SOLUTION



CRISP will deliver a proven means for establishing a direct connection and a set of standard, repeatable processes based on Internet technologies. The result will provide supply chain professionals timely visibility of assets undergoing repair at contractor facilities.

Proposed To CAV Community



DEPOT BENEFITS



- Better information enables better management
 - Less inventory
 - Better planning
 - Reduced funded undelivered
 - More accurate delivery schedules
 - Performance-based repair contracts
- Less chasing information, more managing items
 - Item managers can respond to customer faster and with less effort
 - Reduced need for status updates to customers

WARFIGHTER BENEFITS



- Quick, accurate response to war fighter inquiries
- Reduced time chasing assets
- Increased issue effectiveness
- Reduced NMCS from contractor-repaired assets

CONTRACTOR BENEFITS



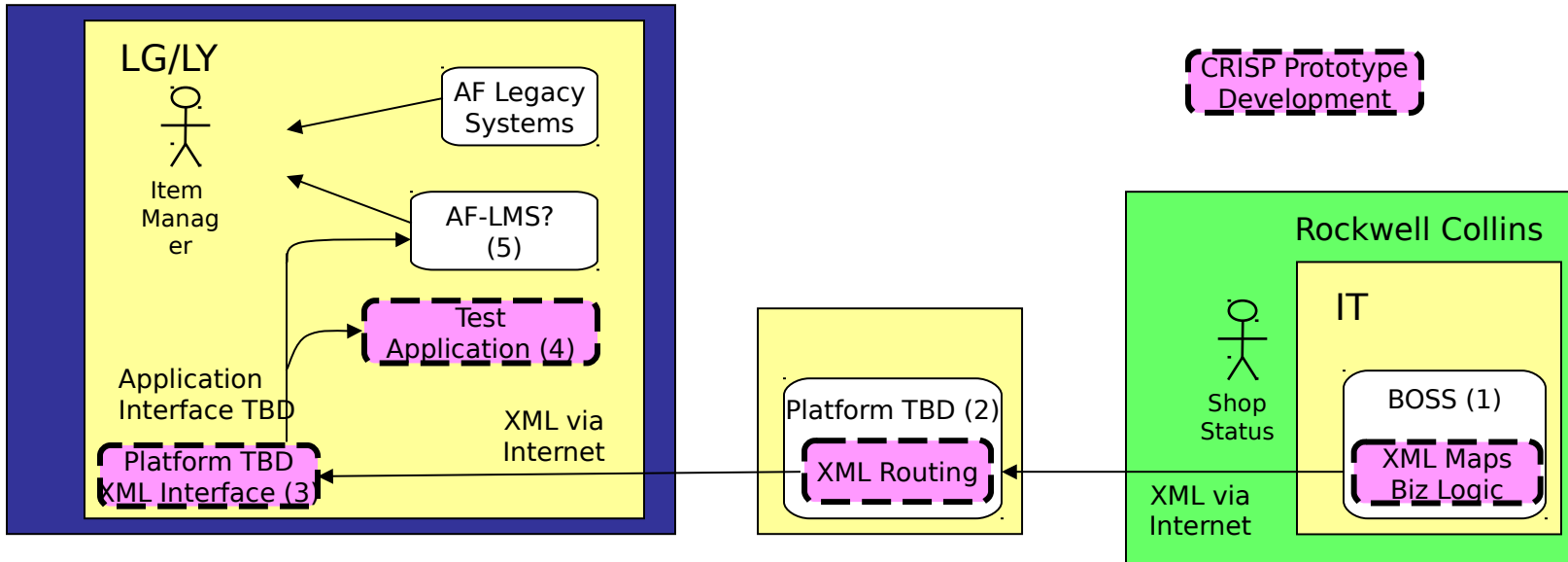
- Leverages new ERP and e-commerce capabilities
- Enables management of performance-based repair contracts
- Timely, electronic generated, contractor performance metrics
- Reduced cost of responding to status inquiries
- Freedom from manual entry
- Common method for multiple customers
- (potential) Visibility of inbound orders & shipments

CRISP PHASE 2 AND PHASE 3 PLAN & SCHEDULE



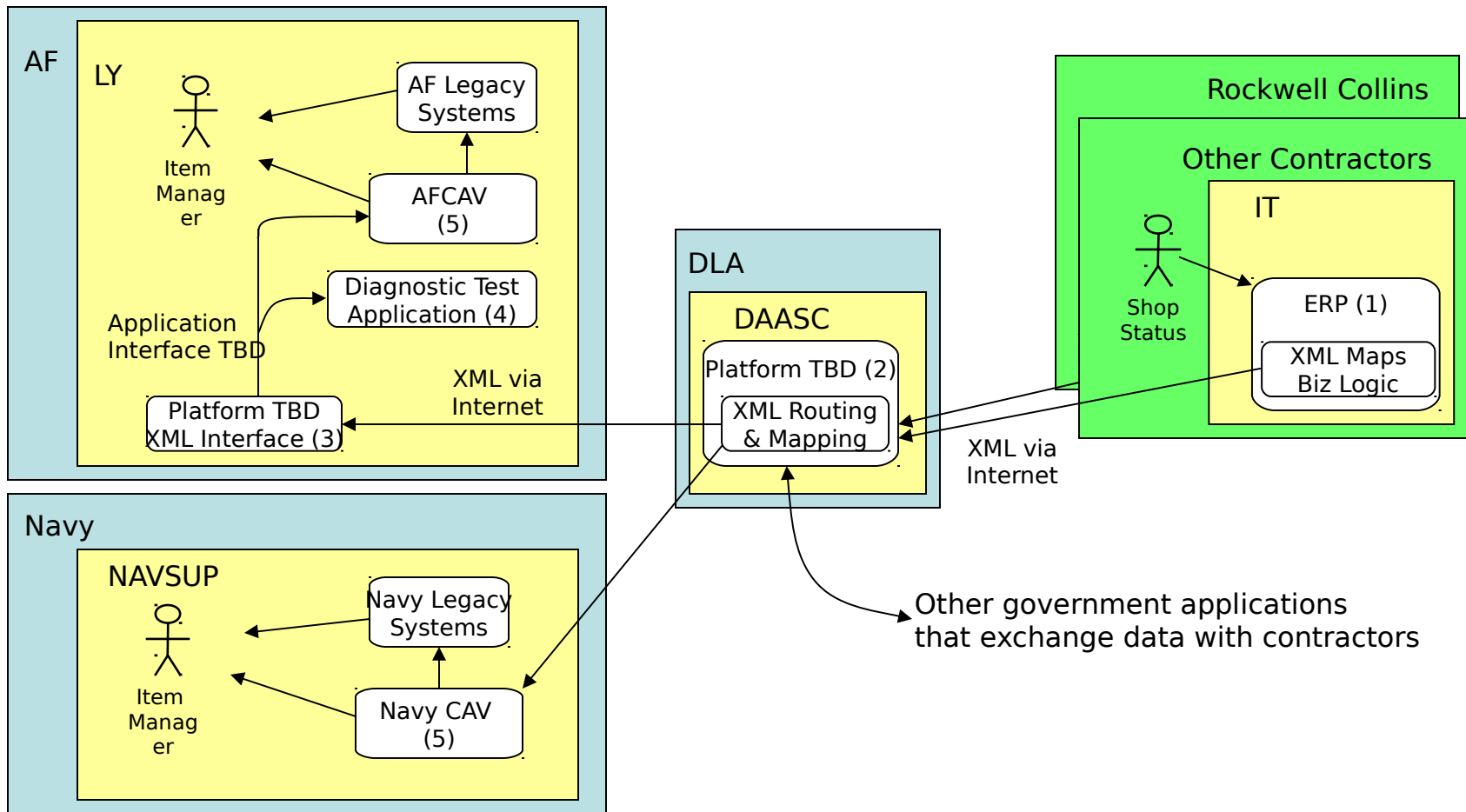
- Phase 2 – Development
 - Develop CRISP software
 - Government side (ICF)
 - Contractor side (Rockwell Collins)
 - Lay path for pilot evaluation and broad deployment
- Phase 3 – Pilot Evaluation
 - End-to-End Business Pilot
 - Business Case
 - Transition Planning

CRISP / AF Transaction Flow Phase 2 & 3 Pilot



- (1) Upon status change, send on-line XML transaction to DAASC
- (2) Route incoming to AF-LMS at AF Center
- (3) Receive XML transactions, error handling, & convert to AF-LMS application interface
- (4) Test XML interface with Test Application from AF-LMS application interface
- (5) Maintain status of repair, user interface, interface to update legacy applications

CRISP AF-CAV Transaction Flow (Future Vision)



- (1) Upon status change, send on-line XML transaction to DAASDC
- (2) Route incoming to specific application at a site
- (3) Receive XML transactions, error handling, & convert to AF-LMS application interface
- (4) Diagnostic test application to isolate communications problems
- (5) Maintain status of repair, user interface, interface to update legacy applications